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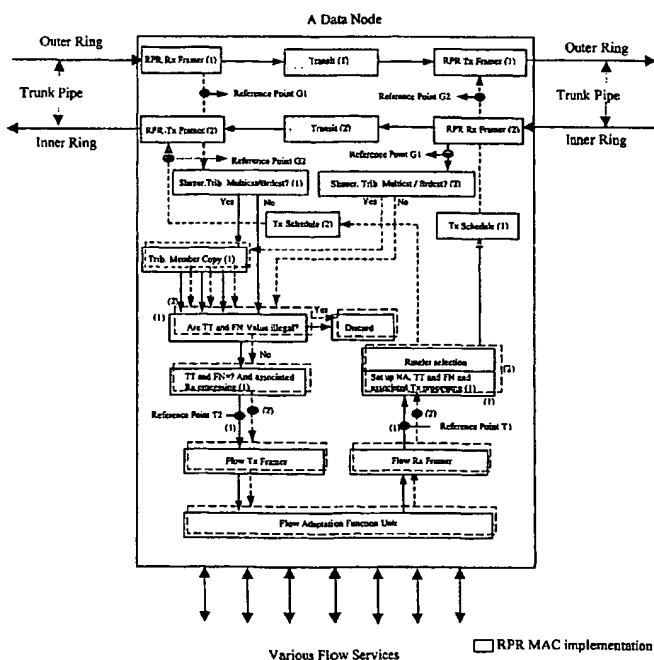
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(54) Title: AN IMPLEMENTATION METHOD ON MULTI-SERVICE FLOW OVER RPR AND APPARATUS THEREFOR



Tx and Rx Diagram of a Data Node

(57) Abstract: This technology handles Multiple Services Flow (MSF) Based on RPR and a way of multi-service flow over RPR. MSF is defined to work at the client of RPR MAC layer and uses Fairness Algorithm (FA) of RPR MAC to support services of Class A, Class B and Class C. MSF is used in configurations where flow based service is managed from provisioning. Architecturally, the link and broadcast topologies are supported also. The features of flow (Service, just like Ethernet, Frame Relay and G.702 etc) based 1+1, 1:1 and 1:N protection within 50 ms, flow (or Service flow) based BW management with symmetry and asymmetry, flow based multicast and Frame Sequence Number for Performance Monitoring of flow are highlighted in this patent.